

# UMP RESEARCHERS BAG 10 MEDALS AT MTE 2011

Researchers from Universiti Malaysia Pahang (UMP) continue to accumulate accolades when they bag 10 medals – one gold, two silver and seven bronze – at the Malaysia Technology Exposition (MTE), held at the Kuala Lumpur Convention Centre recently.

**D**r Ahmed N Abd Alla from UMP's Faculty of Electronics & Electrical Engineering made the university proud with the sole gold through his research entitled, "A Cellular Energy Management System for Monitoring and Controlling Based on Time of Power Consumption" – a system to read electric meter within a shorter time-span, using a research product called Smart Meter.

According to Dr Ahmed, the system allows consumers to conserve as it does not require any major fitting work to the electrical meters currently installed in residential and industrial premises. "In fact, this research product is so innovative, to the point that it can generate a reading and transmit the information of current electrical usage via short message service (SMS).

"The gadget may be fitted either digitally or analogically, and it



is user-friendly as compared to those currently found in the local market and abroad," he added.

Meanwhile, two of the silver medals went to Associate Professor Dr Hayder Abdul Bari from the Faculty of Chemical & Natural Resources Engineering (FKKSA) with his "Novel Mechanical Technique to Improve the Flow in Pipelines (UMP Octopus)"; and Dr Arun Gupta with his "Innovative Technique to Extract Keratin Protein from Chicken Feather".

Three other FKKSA researchers – Associate Professor

Zulkafli Hassan, Associate Professor Dr Abdurahman Hamid Nour and Dr Iqbal Ahmed – along with Kumaran Kadirgama (Faculty of Mechanical Engineering) and Dr Noraziah Ahmad (Faculty of Computer Systems & Software Engineering) took home the bronze. UMP also bagged the best "barespace" in the booth category.

This year's MTE saw a collective display of 500 research products from 65 local government agencies, institutions of higher learning as well as schools from Poland, Singapore, South Korea and Spain.